Claims

1.   A method for selection of a route for transmission of data packets from a source network site to a destination network site, both network sites being connected to a network via a plurality of network service provider connections, said method comprising at least steps of

- selecting of a first network service provider connection from a set of network service provider connections connecting the source network site to the network,

- selecting of a second network service provider connection from a set of network service provider connections connecting the destination network site to the network,

in which method said selections are performed at the source network site,

and which selections are made at least in part on the basis of at least

- a round trip time value for each combination of source and destination network service provider connections, and

- a packet success rate value for each combination of source and destination network service provider connections.

2.   A method according to claim 1, wherein said selections are performed at least in part also on the time elapsed after the selection of routes was previously changed.

3.   A method according to claim 2, wherein the amount change in the packet success rate and/or round trip time of a connection required to cause a change in the route selection reduces as a function of time.

4.   A method according to claim 3, wherein said function of time is a piecewise linear function.

5.   Network node for transmitting data packets from from a source network site to a destination network site, said network sites being connected to a network each via a plurality of network service provider connections, said network node comprising at least

- means for selecting of a first network service provider connection from a set of network service provider connections connecting the source network site to the network, and

- means for selecting of a second network service provider connection from a set of network service provider connections connecting the destination network site to the network,

which selections being made at least in part on the basis of at least

- a round trip time value for each combination of source and destination network service provider connections, and

- a packet success rate value for each combination of source and destination network service provider connections.

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6.   Computer software product for a system for transmitting data packets from a source   network site to a destination network site, said network sites being connected to a network each via a plurality of network service provider connections, said computer software product comprising at least

10   - computer software code means for selecting of a first network service provider connection from a set of network service provider connections connecting the source network site to the network, and

- computer software code means for selecting of a second network service provider connection from a set of network service provider connections connecting the

15   destination network site to the network,

which selections being made at least in part on the basis of at least

- a round trip time value for each combination of source and destination network service provider connections, and

- a packet success rate value for each combination of source and destination network

20   service provider connections.